

Application No. 10/670,472

Amendment dated October 7, 2008

Reply to Office Action of July 22, 2008

Docket No.: NY-LUD 5780.2

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AMENDMENTS TO THE CLAIMS

1. (Currently amended) An isolated peptide consisting of amino acid sequence
ALKDVEERV (SEQ ID NO: 3).

2.-10. (Canceled)

11. (Previously presented) A method for determining if a cell presents an HLA-A2 molecule on its surface comprising contacting a sample containing said cell with the peptide of claim 1 and determining binding there between, said binding being indicative of HLA-A2 on the surface of said cell.

12-45. (Canceled)

46. (Withdrawn) A method for determining if a cell presents an HLA-A2 molecule on its surface comprising contacting a sample containing said cell with the peptide of claim 45 and determining binding there between, said binding being indicative of HLA-A2 on the surface of said cell.

47. (New) A method for detecting presence of a cytolytic T cell (CTL) specific for a peptide consisting of the amino acid sequence of SEQ ID NO: 3 in a CTL containing sample, comprising contacting said sample with a tetramer comprising four biotinylated complexes of said peptide, a β_2 microglobulin molecule and an HLA-A2 molecule, each of which is bound to an avidin molecule, and measuring release of tumor necrosis factor (TNF) released by a CTL, wherein an increase in level of TNF by said CTL containing sample, as compared to level of TNF release by said CTL containing sample in the absence of said tetramer, indicates presence of a CTL in said sample that is specific for said peptide.

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48. (New) An isolated tetramer comprising four biotinylated complexes of a peptide consisting of the amino acid sequence of SEQ ID NO: 3, a β_2 microglobulin molecule, and an HLA-A2 molecule, each of which is bound to an avidin molecule.

49. (New) The isolated complex of claim 48, further comprising a label.

50. (New) A composition comprising the isolated tetramer of claim 48, and a carrier.

51. (New) An isolated peptide consisting of amino acid sequence ALKDVEERA (SEQ ID NO: 5).